

DECEMBER

15

# BROADBAND DEPLOYMENT UPDATE



## 97.8%

*of New Zealanders will have access to faster broadband by end 2019*

*(under phase 1 of UFB and RBI)*

### UFB

60% of the build in UFB1 areas has been completed. There are 162,913 households and businesses connected to UFB, a 22% increase in connections since end September 2015. UFB uptake is 18.6%

→ see page 2

### Rural Broadband Initiative (RBI)

The tower programme is 87% complete. The target for fixed copper lines upgrades has been exceeded.

RBI uptake is 36.7%

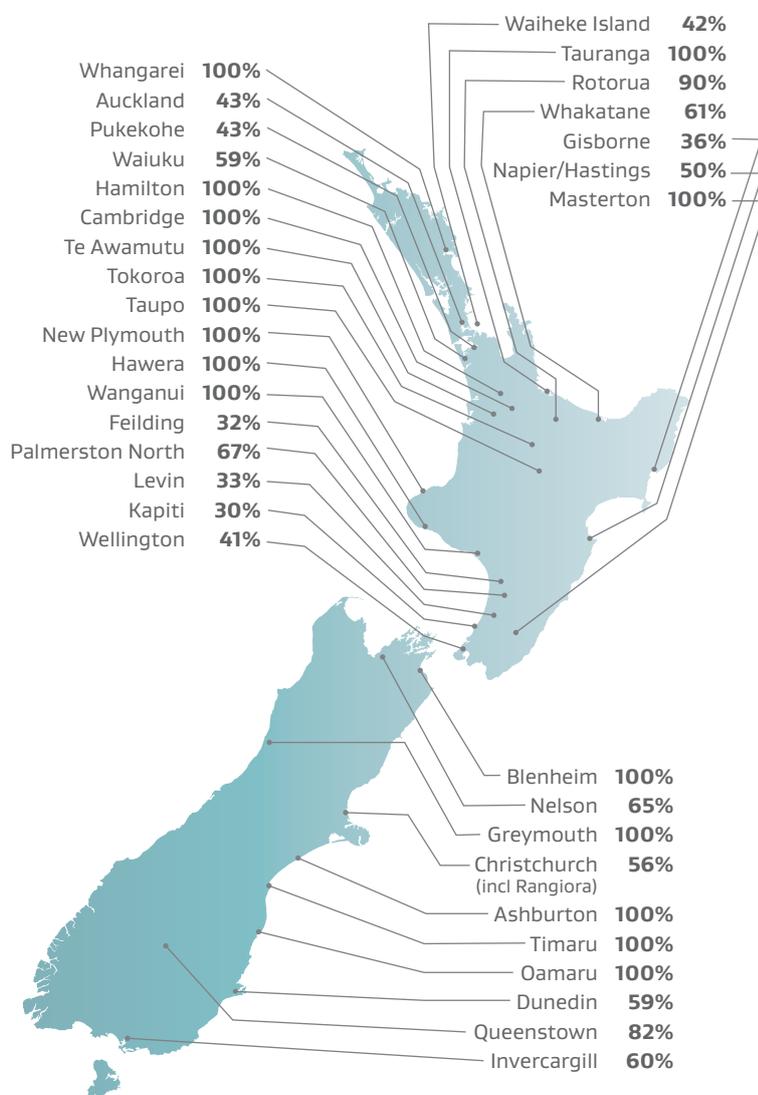
→ see page 3

### Priority Users

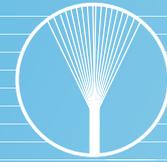
Almost 100% of the programme target for schools to be ready for service has now been reached.

→ see page 5

## UFB DEPLOYMENT PROGRESS:



# ULTRA-FAST BROADBAND INITIATIVE (UFB) – PHASE 1



UFB phase 1 is connecting 75% of New Zealanders with fibre to the premise by end 2019. Fibre will be capable of peak speeds of at least 100Mbps.

## Highlights

- › **89 retail providers** are actively offering UFB services.
- › UFB connections are now available in all **33 UFB candidate areas**. For information on whether you can connect to UFB, please contact your retail service provider or go to [www.broadband.govt.nz](http://www.broadband.govt.nz)

TABLE 1: UFB Progress at December Quarter 2015

	Households and businesses able to connect*	Connections
Added this quarter	59,831	29,229
Total to date	875,207	162,913

FIGURE 1A: Households and businesses able to connect

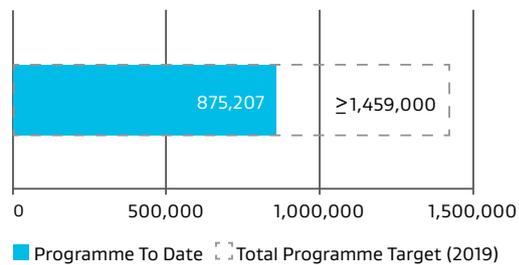
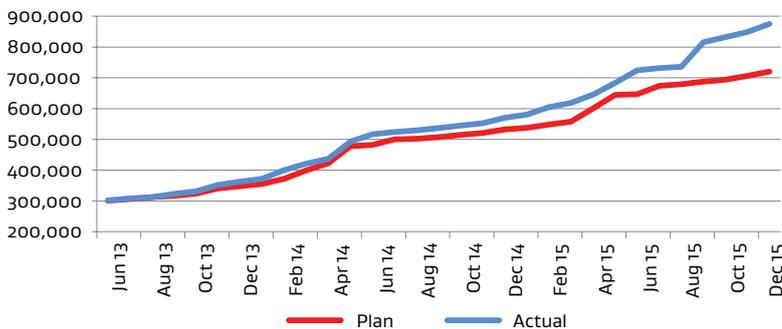


FIGURE 1B: UFB Households and businesses able to connect



## → UFB

### UFB makes smart buildings a reality

From its Dunedin base, Oakwood Properties develops and manages commercial premises across the lower South Island including Christchurch, Invercargill and Queenstown. Operations Manager Matt Mackinlay says fibre broadband makes remote building management simple and it's making their strategy of smart buildings a reality.

"We have cameras installed in our buildings in Christchurch and Dunedin and my day begins with a digital walk through. This replaces a person physically visiting our properties which is great for managing our time and also benefits our tenants. With properties outside of Dunedin, it allows us to be proactive and check properties for maintenance, and things like rubbish, tagging or blocked exits."

"Remote technology will also allow us to manage energy use. We're building a property in Christchurch with solar panels. Using fast fibre we'll monitor the photovoltaic system and detect when we need to buy power off the grid or when we're in a position to sell it back – this will change the way we manage property. The technology is providing so many new opportunities, I'm not sure we even understand them all yet!"



# RURAL BROADBAND INITIATIVE (RBI) – PHASE 1



At the end of the first phase of the RBI, 90% of homes and businesses (outside UFB areas) will have access to broadband at peak speeds of at least 5 Mbps. This is through fixed wireless and improved copper services (some rural homes and businesses will be able to choose between the two services). The RBI is also extending mobile coverage to rural areas across New Zealand.

**TABLE 2: RBI Progress at December Quarter 2015**

	Households and businesses able to connect*	Connections
<b>Total to date</b>	279,908	102,859

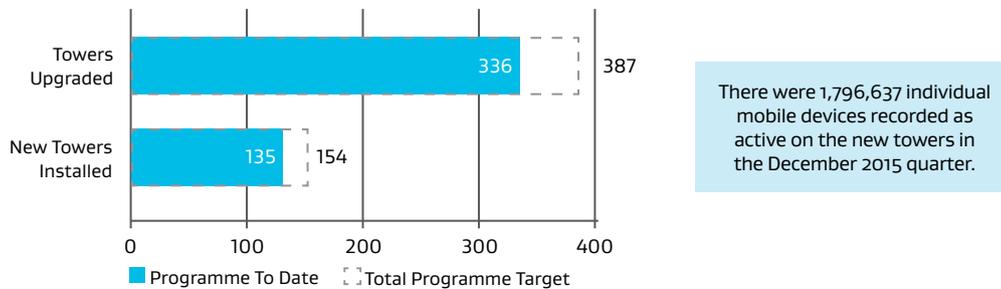
\*Households and businesses able to connect to both fixed wireless and enhanced copper have been counted once

Vodafone’s role is the provision of fixed wireless broadband capable of peak speeds of at least 5Mbps and improved mobile coverage.

**TABLE 3: Vodafone Progress at December Quarter 2015**

	Towers Upgraded	New Towers Installed	Households Covered (Approximate)
<b>Added this Quarter</b>	12	13	11,315
<b>Total to Date</b>	336	135	266,340

**FIGURE 2: Vodafone RBI**

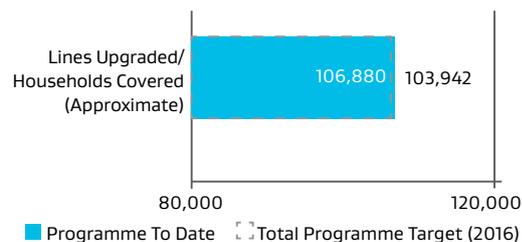


**CHORUS’ role is the deployment of fibre to cabinets, offering improved broadband services. Some residences will receive copper-based broadband speeds of up to 20Mbps.**

**TABLE 4: Chorus Progress at December Quarter 2015**

	Lines Upgraded (Approximate)
<b>Added this Quarter</b>	4,865
<b>Total to Date</b>	106,880

**FIGURE 3: Chorus RBI**





## → RBI

### Viblock keeps customers happy

Keith Millar has run the successful concrete masonry business Viblock out of Alexandria for the past ten years. In that time he has seen a lot of great technology changes—both in masonry and with his own business operations.

However in the past few years Keith has struggled to take full advantage of digital innovations such as cloud computing and mobile connectivity.

At more than 7kms away from his nearest exchange, the internet connection that served him well in the early years was now failing to keep up with some basic demands of Keith's business – leaving him frustrated.

When the Rural Broadband Initiative arrived in Alexandria, Keith quickly connected

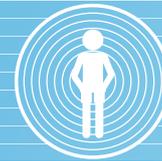
his business to the high speed wireless broadband and voice calling service.

Since then, Keith has introduced a range of digital solutions that have saved him time and money, and increased customer satisfaction and staff productivity.

"After we switched to Vodafone's Rural Broadband – everything just worked. We've been able to introduce technology that simply makes the businesses more efficient, and stay better connected to our customers."

"I would recommend that every rural business checks to see if they are on the best connection possible and if they can upgrade – do it, the benefits are huge and you won't regret it."





Schools will have access to fibre capable of peak speeds of at least 100Mbps through the UFB or RBI. Remote schools will receive point-to-point wireless connections capable of peak speeds of at least 10Mbps.

TABLES 4A & 4B: Schools Progress at December Quarter 2015

Added this Quarter	Schools with fibre past the school gate	Schools ready for service	Total to date	Schools with fibre past the school gate	Schools ready for service
UFB	21	8	UFB	1,408	1,333
RBI	8	8	RBI	1,030	1,022
Remote schools	n/a	0	Remote schools	n/a	49

Note: The programme target covers state and state-integrated schools. It includes schools that have been connected to fibre outside of the UFB and RBI.

FIGURE 4: Total UFB, RBI and Remote Schools

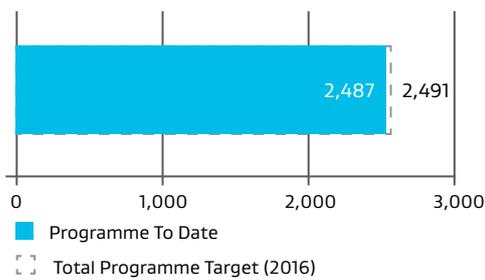
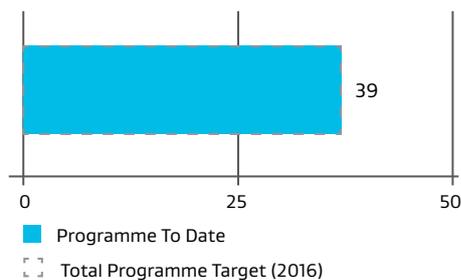


FIGURE 5: Total rural hospitals ready for service



## → RBI

### Garth and Angie London

Garth and Angie London are the proud owners of idyllic Whakaipo Lodge, a luxury accommodation retreat near Taupo. They share a passion for quality local food and wine, exploring the outdoors and the simple pleasure of welcoming guests into their small slice of paradise.

Fast, reliable internet is essential for the Londons to run a booming international business. Almost 90% of their guests arrive from overseas, so they need to actively promote and coordinate bookings online and on the phone. Adding to that, strong Wi-Fi and calling capabilities are amongst international guests' chief considerations.

Closer to home, the Londons need access to reliable internet and calling for another very important reason. Angie uses CapTel - a captioned phone service to support her hearing disability.

Through CapTel, Angie's calls are automatically connected to a specially-trained operator in the USA - who transcribes what is said by the other person - and sends this information back to Angie as text to her phone or computer. The CapTel software makes it possible for Angie to take bookings, communicate with customers and manage other parts of the business alongside Garth.

Since upgrading their Vodafone Rural Broadband connection and modem, Angie has noticed a marked improvement in the performance of the CapTel software - which has ultimately made it easier and more efficient to take calls and accommodate guests.

Angie and Garth agree the RBI upgrade to their local cell site has made a very positive difference to their business and their lives, and gives their guests more freedom to enjoy their luxury Whakaipo Lodge experience.

#### ■ Website

The quarterly broadband update is available in PDF format through the Ministry's website:

[www.mbie.govt.nz/info-services/sectors-industries/technology-communications/fast-broadband/deployment-progress](http://www.mbie.govt.nz/info-services/sectors-industries/technology-communications/fast-broadband/deployment-progress)

#### ■ Data Sources

The broadband deployment update is compiled with information from Crown Fibre Holdings and the various companies mentioned in this update.

This update covers the December quarter (1 October - 31 December 2015).

#### ■ Next Release

The next quarterly broadband update is scheduled for release May 2016.

Please forward any enquiries to:

ICT Policy and Programmes  
Commerce, Consumers and Communications Branch  
Ministry of Business, Innovation and Employment  
P O Box 1473, Wellington, New Zealand  
Telephone: +64 4 472 0030  
Email: [broadband@mbie.govt.nz](mailto:broadband@mbie.govt.nz)



**MINISTRY OF BUSINESS,  
INNOVATION & EMPLOYMENT**  
HĪKINA WHAKATUTUKI

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